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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/824,395	04/02/2001	J. Milton Harris	44646/214160	1903
826	7590 03/12/2002			
ALSTON &	BIRD LLP	EXAMINER		
BANK OF A	MERICA PLAZA TRYON STREET, SUITE	NAFF, DAVID M		
CHARLOTTE, NC 28280-4000			ART UNIT	PAPER NUMBER
			1651	0
			DATE MAILED: 03/12/2002	8

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Applicant(s) Application No. 09/824395 Examiner **Group Art Unit** 165

—The MAILING DATE of this communication appear	ars on the cove	er sheet be	neath the correspondence address-	
Period for Reply		₽.		
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET OF THIS COMMUNICATION.	TO EXPIRE		MONTH(S) FROM THE MAILING DATE	
 Extensions of time may be available under the provisions of 37 CFR from the mailing date of this communication. If the period for reply specified above is less than thirty (30) days, a If NO period for reply is specified above, such period shall, by defaul Failure to reply within the set or extended period for reply will, by sta 	reply within the sta t. expire SIX (6) M	tutory minimu	rm of thirty (30) days will be considered timely. the mailing date of this communication .	
Status	(, , (,)			
Responsive to communication(s) filed on	21/0/		•	
☐ This action is FINAL .				
 Since this application is in condition for allowance excep accordance with the practice under Ex parte Quayle, 19 	ot for formal ma 35 C.D. 1 1; 45	tters, pros e 3 O.G. 213	ecution as to the merits is closed in	
Disposition of Claims				
Claim(s)	is/are pending in the application.			
Of the above claim(s) 1, 3 + 8-21	is/are withdrawn from consideration.			
☐ Claim(s)			is/are allowed.	
□ Claim(s) 2 + 4 - 7			is/are rejected.	
□ Claim(s)			is/are objected to.	
☐ Claim(s)			are subject to restriction or election	
Application Papers			requirement.	
☐ See the attached Notice of Draftsperson's Patent Draw	ing Review, PT	O-948.		
☐ The proposed drawing correction, filed on			☐ disapproved.	
☐ The drawing(s) filed on is/are obj				
☐ The specification is objected to by the Examiner.				
☐ The oath or declaration is objected to by the Examiner.				
Priority under 35 U.S.C. § 119 (a)-(d)				
 □ Acknowledgment is made of a claim for foreign priority □ All □ Some* □ None of the CERTIFIED copies □ received. □ received in Application No. (Series Code/Serial Nun □ received in this national stage application from the I 	of the priority do	ocuments h	ave been	
*Certified copies not received:				
Attachment(s)				
☐ Information Disclosure Statement(s), PTO-1449, Paper No(s).			☐ Interview Summary, PTO-413	
Notice of Reference(s) Cited, PTO-892			☐ Notice of Informal Patent Application, PTO-15	
☐ Notice of Draftsperson's Patent Drawing Review, PTO-948			☐ Other	

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In a response of 12/21/01 to a restriction requirement of 6/22/01, applicants elected without traverse the Group II claims 2-7 and 12-16, and the species of claim 2 for which claims 4-7 are generic.

Claims 1, 8-11 and 17-21 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected invention, there being no allowable generic or linking claim. Election was made without traverse in Paper No. 7 (filed 12/21/01.

Claim 3 and 12-16 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected species, there being no allowable generic or linking claim. Election was made without traverse in Paper No. 7.

Claims examined on the merits are 2 and 4-7.

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains.

Patentability shall not be negatived by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(f) or (g) prior art under 35 U.S.C. 103(a).

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Claims 2 and 4-7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yang et al (document 17 on form PTO-1449 of 4/2/01) in view of Greenwald et al (5,840,900).

The claims are drawn to a heterobifunctional acrylate of poly(alkylene oxide) having in the backbone a linkage that is hydrolytically degradable.

Yang et al discloses a heterobifunctional poly(ethylene glycol) having an acrylate group on one terminus and an activated carboxylic acid on the second terminus, and attaching this PEG derivative to a protein.

Greenwald et al disclose a prodrug composition containing a hydrolyzable linkage such as an ester linkage between a polymer portion and a biologically active moiety for release of the biologically active moiety (paragraph bridging cols 4 and 5). The polymer may be PEG-acid or PEG-diacid having the hydrolyzable linkage (col 7, lines 1-15 and col 12, lines 20-61).

It would have been obvious to provide a hydrolyzable linkage in the backbone of the heterobifunctional poly(ethylene glycol) of Yang et al to obtain the function of the linkage to enable releasing a biologically active moiety attached to the heterobifunctional poly(ethylene glycol) as suggested by Greenwald et al using PEG containing a hydrolyzable linkage for release of an attached biologically active moiety. The modifications required by claims 4-7 would have been matters of obvious choice within the skill of the art in view of Yang et al and Greenwald et al.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to David M. Naff whose telephone number is (703) 308-0520. The examiner can normally be reached on

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Monday-Thursday and every other Friday from about 8:30 AM to about 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, a message can be left on voice mail.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mike Wityshyn, can be reached at telephone number (703) 308-4743.

The fax phone number is (703) 305-3014 or 308-4242.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 308-0196.

∽david M. NAFF Primary examiner

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DMN 3/8/02